AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A film-type catalyst for production of a tertiary amine, which is used in producing a tertiary amine from an alcohol and a primary or secondary amine as the starting material;

wherein said film-type catalyst comprises catalyst particles bound to one another via a synthetic resin as a binder;

wherein said particles form a three-dimensional network structure via the binder on a substrate;

wherein said film-type catalyst has a thickness of 500 μm or less and a pore volume of not less than 0.5 mL/m²,

whereby [[the]] <u>a</u> diffusion rate in the <u>film-type</u> catalyst layer is increased due to said three-dimensional network structure, and the mass transfer between the inside and outside of the <u>film-type</u> catalyst can be promoted thereby utilizing the whole of the catalyst and simultaneously suppressing the excessive reaction of an intermediate reaction product in the inside of the catalyst;

wherein the inside of the catalyst is a site of reaction for producing said tertiary amine; and

wherein the synthetic resin is in an amount of 20 to 80 parts by weight relative to 100 parts by weight of a powdery catalyst active substance on the basis of the starting material.

- 2. (Original) The film-type catalyst according to claim 1, which has a thickness of 100 μm or less.
 - 3. (Original) The film-type catalyst according to claim 1 or 2, which comprises copper.
- 4. (Currently Amended) The film-type catalyst according to claim 1, which is fixed on the surface of [[a]] the substrate.
- 5. (**Previously Presented**) The film-type catalyst according to claim 1, which has a pore volume of 0.5 to 30 mL/m².

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6. (Original) The film-type catalyst according to claim 5, wherein the synthetic resin

comprises thermosetting resin.

7. (Original) The film-type catalyst according to claim 5 or 6, wherein the synthetic

resin comprises phenol resin.

8. (Previously Presented) The film-type catalyst according to claim 4, wherein the

substrate is a metal foil.

9. (Previously Presented) The film-type catalyst according to claim 4, wherein the

substrate is a honeycomb structure.

10. (Currently Amended) A process for producing a tertiary amine, which comprises a

step of reacting an alcohol with a primary or secondary amine inside a film-type catalyst having

a thickness of 500 μ m or less and a pore volume of not less than 0.5 mL/m²,

wherein said film-type catalyst comprises catalyst particles bound to one another via a

synthetic resin as a binder;

wherein said particles form a three-dimensional network structure via the binder on a

substrate;

whereby [[the]] a diffusion rate in the film-type catalyst layer is increased due to said

three-dimensional network structure, and the mass transfer between the inside and outside of the

film-type catalyst can be promoted thereby utilizing the whole of the catalyst and simultaneously

suppressing the excessive reaction of an intermediate reaction product in the inside of the

catalyst; and

wherein the synthetic resin is in an amount of 20 to 80 parts by weight relative to 100

parts by weight of a powdery catalyst active substance on the basis of the starting material.

11. (Cancelled)

BIRCH, STEWART, KOLASCH & BIRCH, LLP

JWB/CMR/kwb

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12. (Previously Presented) The process according to claim 10, wherein the film-type

catalyst has a thickness of 100 μm or less.

13. (Previously Presented) The process according to claim 10, wherein the film-type

catalyst comprises copper.

14. (Currently Amended) The process according to claim 10, wherein the film-type

catalyst is fixed on the surface of [[a]] the substrate.

15. (Previously Presented) The process according to claim 14, wherein the substrate is a

metal foil.

16. (Previously Presented) The process according to claim 14, wherein the substrate is a

honeycomb structure.

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